

**REMARKS**

**INTRODUCTION:**

In accordance with the foregoing, claims 1, 7, 12, 13, 17, 21, 29-31, and 33 have been amended. Claims 1, 3-17, 20-31 and 33-35 are pending and under consideration.

**RESPONSE TO ADVISORY ACTION:**

In the Advisory Action, the Examiner indicates that the Applicant's request for reconsideration filed August 20, 2002 does not overcome the rejections because claims 7, 12-13, 17, 21, 28-31 and 33-35 do not "clearly" disclose "automatically" displaying information. However, it is noted that claims 26-28 and 34-35 already recited "automatically" displaying information at the time the Advisory Action was issued. Accordingly, reconsideration is requested, as discussed below.

**REJECTIONS IN VIEW OF 35 U.S.C. §103:**

*At pages 2-9, item 4, of the Office Action, claims 1, 3-7, 10-17, 20-24, 28-31 and 33-35 are rejected under 35 U.S.C. §103(a) as being unpatentable over U.S. Patent No. 5,727,060 to Young et al. in view of Hendricks et al. (U.S. 5,734,853).*

Using claim 7 as an example, this claim recites "automatically displaying next program information when a remaining program time reaches a preset time." Thus, the triggering event in displaying the next program information is the onset of a preset time.

The Examiner admits that Young et al. does not teach or suggest this feature, but instead relies upon Fig. 17 and column 35, line 37 to column 36, line 9 of Hendricks et al. as disclosing this feature. This portion of Hendricks et al. discloses that a user selects a particular movie from the hit movie major menu 1058. Hendricks et al., col. 35, ln. 42-43. The selected movie is shown at staggered start times, which the Examiner construes as corresponding to the claimed displaying at a preset time. However, it is respectfully submitted that the staggered start times have nothing to do with whether the next program information is displayed. These start times merely relate to the content of the information, once it is displayed. The triggering

event in displaying the next program information is the selection of the movie by the user, not the reaching of a preset time. Furthermore, it is noted that this reference makes no mention of remaining program time.

Accordingly, withdrawal of the rejection of independent claim 7, and claims 8 and 9 depending therefrom, is requested.

Independent claims 1, 12-13, 17, 21, 28-31 and 33-35 recite similar features. Accordingly, withdrawal of these claims, and all claims depending therefrom, is requested.

*In the Office Action at pages 9-10, item 5, claims 8-9 and 25-27 were rejected under 35 U.S.C. §103(a) as being unpatentable over Young et al. in view of Hendricks et al. and U.S. Patent No. 5,542,088 to Jennings, Jr. et al. This rejection is respectfully traversed in view of the following arguments.*

Claims 8-9 depend from claim 1 and are therefore distinguishable from Young et al. and Hendricks et al. for at least the above reasons.

Jennings, Jr. et al. does not overcome the deficiencies in Young et al. and Hendricks et al. and is not relied upon by the Examiner as such. Instead, the Examiner relies upon Jennings, Jr. et al. as disclosing a percentage calibrated time bar for indicating the percentage of the progressive program. Accordingly, withdrawal of the rejection of claims 8-9 is requested.

Claim 25 depends from claim 17, which recites "automatically displaying the program progress time of the currently viewed program . . . in response to a command from a user to perform a function other than displaying the program progress time upon receipt of the command . . . the command being one of . . . setting of a preset time prior to a program termination of the currently viewed program." It is respectfully submitted that the Examiner's cited references do not disclose this feature.

Independent claim 26 recites "automatically displaying the program progress time of the currently viewed program simultaneously with the currently viewed program automatically at a preset time." As discussed above with respect to claims 17 and 25, the Examiner's cited references do not include these features.

Accordingly, withdrawal of the rejection of claim 26 is requested.

Independent claim 27 recites "displaying the program progress time . . . automatically at a preset time." This feature is not disclosed by Young et al., Hendricks et al. and Jennings Jr.

et al. for similar reasons as noted above. Accordingly, withdrawal of the rejection of claim 27 is requested.

**CONCLUSION:**

In view of the foregoing amendments and remarks, it is respectfully submitted that each of the claims patentably distinguishes over the prior art, and therefore defines allowable subject matter. A prompt and favorable reconsideration of the rejection along with an indication of allowability of all pending claims are therefore respectfully requested.

Should there be any remaining questions to correct formal matters, it is urged that the Examiner contact the undersigned at his convenience for a telephone interview to expedite and complete prosecution.

Please charge any fees or credit any overpayment pursuant to 37 CFR 1.16 or 1.17 to our Deposit Account No. 19-3935.

Respectfully submitted,

STAAS & HALSEY LLP

By: 

Michael J. Badagliacca  
Registration No. 39,099

Date: 10-22-02  
700 Eleventh Street, N.W., Suite 500  
Washington, D.C. 20001  
Telephone: (202) 434-1500  
Facsimile: (202) 434-1501

**VERSION WITH MARKINGS TO SHOW CHANGES MADE**

**IN THE CLAIMS:**

Please **AMEND** claims 1, 7, 12, 13, 17, 21, 29-31, and 33 as follows:

1. (FOUR TIMES AMENDED) A method of displaying a program progress time on a signal receiver which receives and processes program guide information containing a program schedule, comprising the steps of:

- (a) storing the program guide information;
- (b) setting a command of the signal receiver which is commonly usable by a user as a display command to display time information about a currently viewed program; and
- (c) displaying the time information about the currently viewed program together with the currently viewed program when the user issues the display command set in said step (b), the time information comprising a beginning time with respect to the currently viewed program; and
- (d) automatically displaying next program information when a remaining program time reaches a preset time.

7. (THREE TIMES AMENDED) A method of displaying a program progress time on a signal receiver which receives and processes program guide information containing a program schedule, comprising:

- storing the program guide information;
- automatically displaying time information about a currently viewed program on the signal receiver when a user issues a display command; and

displaying next program information when a remaining program time reaches a preset time.

12. (TWICE AMENDED) A method of displaying a program progress time on a signal receiver which receives and processes program guide information containing a program schedule, comprising:

storing the program guide information;

displaying time information about a currently viewed program on the signal receiver when a user issues a display command set; and

judging that the command for displaying the program progress time is issued by the user so as to automatically display the program progress time at a preset time set by the user prior to a program terminating time of the currently viewed program.

13. (FOUR TIMES AMENDED) A method of displaying a program progress time in a signal receiver which receives and processes program guide information containing a program schedule, comprising the steps of:

receiving and storing the program guide information;

displaying a program terminating time of the currently viewed program;

determining a total program broadcasting time of a currently viewed program by subtracting a program beginning time from the program terminating time of the currently viewed program when a user issues a command requesting the displaying of the program progress time of the currently viewed program;

determining the program progress time by subtracting the beginning time from a current time;

displaying a display bar representing the total program broadcasting time; and  
automatically displaying the display bar so as to indicate a position on the display bar  
corresponding to the program progress time at a preset time set by the user.

17. (FOUR TIMES AMENDED) A method of displaying a program progress time of a  
currently viewed program of a signal receiver, the method comprising the steps of:

receiving program guide information including a program schedule having the currently  
viewed program; and

automatically displaying the program progress time of the currently viewed program  
simultaneously with the currently viewed program in response to a command from a user to  
perform a function other than displaying the program progress time upon receipt of the  
command,

the program progress time including a current time,

the command being one of an activating a channel up/down key, determining an  
occurrence of a remote controller event, and setting of a preset time prior to a program  
termination of the currently viewed program.

21. (THREE TIMES AMENDED) A method of displaying a program progress time of  
a currently viewed program of a signal receiver, the method comprising:

receiving program guide information including a program schedule having the currently  
viewed program;

displaying a program progress time of the currently viewed program in response to a  
command from a user to perform a function other than displaying the program progress time  
upon receipt of the command; and

automatically displaying next program information of a next program on a same channel as the currently viewed program at a preset time prior to the program termination of the currently viewed program.

29. (TWICE AMENDED) A device for displaying a program progress time, comprising:

a receiving unit to receive a TV program and a TV program guide containing a program schedule which includes information on the TV program;

a user interface to enable entry of a command from a user requesting display of the program progress time;

an audio output unit to generate an audio signal of the TV program;

a processor to produce On-Screen-Graphic data for displaying the program progress time in response to the command from the user and based upon the program schedule;

a video output unit to mix video data of the TV program and On-Screen-Graphic data of the TV program, to output a resulting signal; and

a display to automatically display the resulting signal wherein the command is one of an activating a channel up/down key, determining an occurrence of a remote controller event, and setting of a preset time prior to a program termination of the currently viewed program.

30. (TWICE AMENDED) A device for displaying a program progress time, comprising:

a receiving unit to receive a TV program and a TV program guide containing a program schedule which includes information on the TV program;

a user interface to enable entry of a command from a user requesting display of the program progress time;

an audio output unit to generate an audio signal of the TV program;

a processor to produce On-Screen-Graphic data for displaying the program progress time in response to the command from the user and based upon the program schedule;

a video output unit to mix video data of the TV program and On-Screen-Graphic data of the TV program, to output a resulting signal; and

a display to automatically display the resulting signal wherein said processor produces ON-Screen Graphic data for displaying next program information of a next program on a same channel as the TV program at a preset time prior to a program termination of the TV program.

31. (TWICE AMENDED) A method of displaying a program progress time of a currently viewed program comprising:

issuing a user-initiated display command; and

displaying a program terminating time of the currently viewed program in response to the display command automatically at a preset time set by the user prior to a program terminating time of the currently viewed program.

33. (TWICE AMENDED) A method of displaying a program progress time on a signal receiver which receives and processes program guide information containing a program schedule, comprising the steps of:

storing the program guide information;

displaying time information about a currently viewed program together with the currently viewed program on the signal receiver when a user issues a display command set, the time information including a beginning time, a current time, and a terminating time of the currently viewed program; and

automatically displaying next program information when the time information reaches a



Serial No. 09/055,712

preset time.